



0505  
Box 2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Carsten Sjoeholm, Peter Rahbek Oestergaard, and Anna-Marie Kluenter

Serial No.: 09/779,334 Art Unit: Not Yet Assigned

Filed: February 8, 2001 Examiner: Not Yet Assigned

For: USE OF ACID-STABLE SUBTILISIN PROTEASES IN ANIMAL FEED

Assistant Commissioner for Patents  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §1.56 and 37 C.F.R. §1.97, Applicants submit an Information Disclosure Statement, including two (2) pages of Form PTO-1449 and a copy of each document cited therein.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) prior to a first Office Action on the merits. It is believed that no fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge any required fees to Deposit Account No. 50-1868.

**U.S. Patents**

<u>Number</u>	<u>Issue Date</u>	<u>Patentee</u>	<u>Class</u>	<u>Subclass</u>
3,683,069	08-08-1972	Hooreman	424	94
3,723,250	03-27-1973	Aunstrup et al.	195	62

U.S.S.N.: 09 779,334  
Filed: February 8, 2001  
INFORMATION DISCLOSURE STATEMENT

4,518,697	05-21-1985	Bartnik et al.	435 254
5,047,240	09-10-1991	Hooreman	424 94,63

### Foreign Documents

<u>Number</u>	<u>Publication Date</u>	<u>Patentee</u>	<u>Country</u>
WO 95/28850	11-02-1995	Novo Nordisk	PCT
WO 96/05739	02-29-1996	Finnfeeds International Limited; Genecor International Inc.	PCT
WO 95/02044	01-19-1995	Novo Nordisk	PCT
WO 93/24623	12-09-1993	Novo Nordisk	PCT
0 130 756 B1	01-09-1995	Genentech, Inc.	PCT

### Publications

GILL & HIPPEL, "Calculation of protein extinction coefficients," *Analytical Biochemistry* 182:319-326 (1989).

Handbook of Proteolytic Enzymes, A. J. Barrett, N.D. Rawlings, J.F. Woessner (eds.), (Academic Press, 1998).

KENADA, et al., "Isolation and characterization of a proteinase from the Sarcocarp of melon fruit," *J Biochem* 78:1287-1296 (1975).

MICHALIK, et al., "Bacterial proteases: Production, isolation and utilization in animal nutrition," *Ukr Biokhim Zh* 69(3):28-35 (1997).

NEEDLEMAN & WUNSCH, "A general method applicable to the search for similarities in the amino acid sequence of two proteins," *Journal of Molecular Biology* 48:443-453 (1970).

SMITH, et al., "Measurement of protein using bicinchoninic acid," *Analytical Biochemistry* 150:76-85 (1985).

U.S.S.N.: 09 779,334

Filed: February 8, 2001

INFORMATION DISCLOSURE STATEMENT

**Remarks**

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicants are of the opinion that their claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,

---

Patrea L. Pabst  
Reg. No. 31,284

Dated: July 11, 2001

HOLLAND & KNIGHT LLP  
One Atlantic Center  
1201 West Peachtree Street, N.E.  
Suite 2000  
Atlanta, Georgia 30309-3400  
404-817-8500  
FAX 404-817-0470  
[www.hklaw.com](http://www.hklaw.com)

U.S.S.N.: 09 779,334

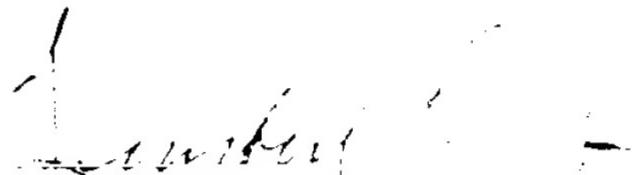
Filed: February 8, 2001

INFORMATION DISCLOSURE STATEMENT

**Certificate of Mailing under 37 C.F.R. § 1.8(a)**

I hereby certify that this Information Disclosure Statement, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date shown below with sufficient postage as first-class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Date: July 11, 2001

  
Kimberly L. Adams